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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/616,553

07/10/2003

Qi Bi

67,108-015;Bi 29-18-2-5

2811

26096

7590

08/02/2006

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BIRMINGHAM, MI 48009

EXAMINER

CUMMING, WILLIAM D

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 08/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/616,553

Applicant(s)

QI BI

Examiner

WILLIAM D. CUMMING

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 April 2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-3,5,7-9,11 and 13-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3,5,7-9,11 and 13-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

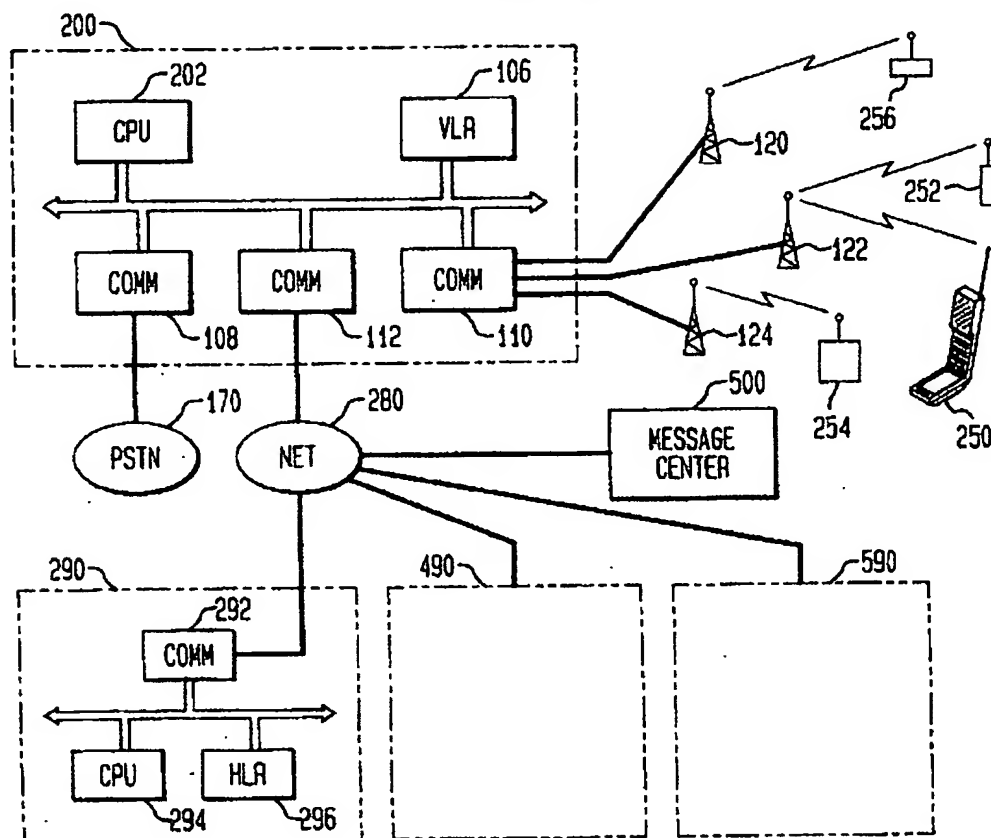
## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
2. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
  1. Determining the scope and contents of the prior art.
  2. Ascertaining the differences between the prior art and the claims at issue.
  3. Resolving the level of ordinary skill in the pertinent art.
  4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
3. Claims 1-3, 5, 7,8,9, 11, and 13-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Amin** in view of **Beeson, Jr., et al**

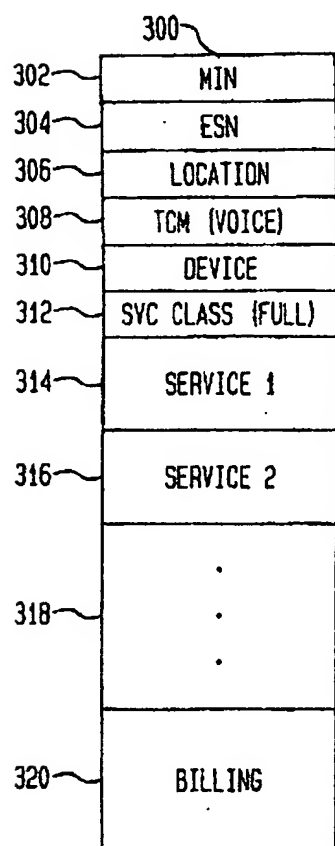
**Amin** discloses a service support method in a wireless data network (figure 2), comprising associating a user identification code with a service class (figure 3A-D) and servicing a user according to the service class associated with the user identification code (*"In accordance with the present invention, network resources associated with a wireless communication network are managed by ascertaining, for a wireless communication device, a device type and a required service; and assigning the network resources to the wireless communication device in accordance with the device type and the required service."*

**FIG. 2**



*A profile is associated with the wireless communication device. The profile includes a travelling class mark field which identifies the device type of the wireless communication device, and a service class mark field which identifies the required service for the wireless communication device.*

*Also, in accordance with the present invention, a method and a service control point for managing resources in a wireless communication network are provided. A profile for a wireless communication device is stored in a service control point,*

**FIG. 3A**

and the profile for the wireless communication device is provided in response to a profile request from a mobile service center.

Further, in accordance with the present invention, a method and a mobile service center (MSC) for obtaining information about a wireless communication device and wireless communication service for the wireless communication device are provided.

The MSC determines that the wireless communication device is in the area served by the MSC, and the MSC requests, via a communication network, a profile for the wireless communication device from a service control point which permanently stores the profile. In the present invention, the MSC has no wireless communication devices permanently

associated therewith.")

Amin does not disclose the step of allocating a temporary user identification code to the user when a session with the wireless data network is open and wherein the temporary user identification code is de-allocated when the session is closed.

**Skubic, et al** teaches the use of the step of allocating a temporary user identification code to the user when a session with the wireless data network is open and wherein the temporary user identification code is de-allocated when the session is closed (*"When a mobile station is first powered up within a specified mobile network, the international mobile subscriber identification (IMSI) is used by the mobile station to identify itself This IMSI is used to route a request for VLR data to the WSM that contains that data. Each protocol handler of the W GSM contains a table that stores the IMSI-WSM map, the table being created from data supplied by the WSMS. In order to allow HLR and, where possible, associated VLR records to be stored in any WSM, this look-up table has one entry per IMSI. During the location update or registration process, the SM that stores the VLR data will associate a Temporary Mobile Subscriber Identification (TMSI) with a mobile station. The TMSI, whose value, while at least in part random, is not otherwise constricted according to the GSM standard, is specially encoded with the identity of the WSM (i.e., a switching module having wireless software) that contains the VLR so that accessing the proper WSM for incoming messages when VLR data is required is simplified if the TMSI is available. Randomness of the TMSI is maintained by randomizing three of its four octets. Except on initial mobile station power up, as described above, the TMSI will normally be used for all BSSAP transactions. When a mobile station initiates a transaction (such as a call or location update), the SCCP connection data base that stores information about the transaction, also stores information to identify*

*the WSM that contains VLR data as well as the WSM that contains the trunk connected to the BSS. This is used for the routing of all subsequent messages for this connection, which contain no TMSI.”)* in a wireless data network (figure 1) for the purpose of accessing the proper wireless switching module for incoming messages when VLR data is required. Hence, it would have been obvious for one skilled in the art at the time the claimed invention was made to incorporate the use of the step of allocating a temporary user identification code to the user when a session with the wireless data network is open and wherein the temporary user identification code is de-allocated when the session is closed as taught by **Beeson, Jr. et al** for the purpose of accessing the proper wireless switching module for incoming messages when VLR data is required in the service support method of **Amin** in order use the temporary user identification code be used for all call and location updates, the SCCP connection data base that stores information about the transaction, also stores information to identify the wireless switching module that contains VLR data as well as the wireless switching module that contains the truck connected to the BSS.

Regarding the temporary user identification code is a unicast access terminal identifier, applicants admit that UATI is prior art and well known in the art.

***Response to Arguments***

4. In view of the Pre-Appeal Brief Request for Review filed on April 12, 2006, PROSECUTION IS HEREBY REOPENED. New grounds of rejection is set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) request reinstatement of the appeal.

If reinstatement of the appeal is requested, such request must be accompanied by a supplemental appeal brief, but no new amendments, affidavits (37 CFR 1.130, 1.131 or 1.132) or other evidence are permitted. See 37 CFR 1.193(b)(2).

5. Applicant's arguments with respect to claims 1, 5, 7-9, 11, and 13-17 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

6. If applicants wish to request for an interview, an "*Applicant Initiated Interview Request*" form (PTOL-413A) should be submitted to the examiner prior to the interview in order to permit the examiner to prepare in advance for the interview and to focus on the issues to be discussed. This form should identify the participants of the interview, the proposed date of the interview, whether the interview will be personal, telephonic, or video conference, and should include a brief description of the issues to be discussed. A copy of the completed "*Applicant Initiated Interview Request*" form should be attached to the Interview Summary form, PTOL-413 at the completion of the interview and a copy should be given to applicant or applicant's representative.



7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **WILLIAM D. CUMMING** whose telephone number is **571-272-7861**. The examiner can normally be reached on Monday-Thursday 11am-8:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nick Corsaro can be reached on 571-272-7876. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
WILLIAM D. CUMMING  
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Art Unit 2617

Wdc



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